

REMARKS

By this Amendment the specification has been amended to improve its presentation and the claims have been amended to more concisely define the invention and to address the examiner's objections. Entry is requested.

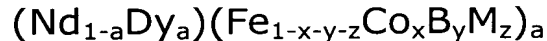
The examiner has rejected claims 1, 2 and 4 under 35 U.S.C. 103(a) as being unpatentable over Fujimura et al., he has rejected claims 3 and 5 under 35 U.S.C. 103(a) as being unpatentable over Fujimura et al. in view of Mutsuura et al. or Sagawa et al., and he has rejected claims 3 and 5 under 35 U.S.C. 103(a) as being unpatentable over Fujimura et al. or Takunaga et al.

These rejections must be withdrawn. Fujimura et al. disclose a magnetically anisotropic sintered permanent magnet of the FeBR system in which R is the sum of R₁ and R₂, R₁ being Dy, Tb, Gd, Ho, Er, Tm and/or Yb, and R₂ being 80 at% or more of Nd and Pr and a balance of at least one other rare earth exclusive of R₁. The system includes 0.05 to 5at% R₁, 12.5 to 20at% R, 4 to 20at% B and a balance of Fe with impurities. Additional elements M such as Ti, Zr, Hf, Cr, Mn, Ni, Ta, Ge, Sn, Sb, Bi, Mo, Nb, Al, V and W may be present. This disclosure cannot suggest the sintered magnet defined in the applicants' amended claims because there is no disclosure of providing an FeBR magnet having a maximum energy product of more than 20MGO_e and a coercive force of more than 15Ko_e by adding each of Al, Si and Cu in amounts of 0.2 to 20at% Al, 0.01 to

0.5at% Si and 0.03 to 0.6at% Cu instead of the expensive heavy rare elements Dy and Gd.

Nothing in Matsuura et al. or Sagawa et al. would overcome this deficiency in Fujimura et al.

Tokunaga et al. disclose a thermally stable permanent magnet with reduced irreversible loss of flux and improved intrinsic coercivity iH_c of 15KO_e or more according to the composition



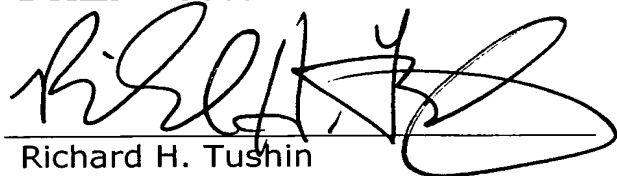
wherein M is Nb, Mo, Al, Si, P, Zr, Cu, V, W, Ti, Ni, Cr, Hf, Mn, Bi, Sn, Sb or Ge. However, there is no teaching of using Al, Si and Cu in the amounts claimed by applicants.

The examiner's rejections should be withdrawn and the claims allowed.

Respectfully submitted,

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